

Serial No. 10/642,431
Art Unit 3636

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A breathable seat comprising:

a seat body formed of urethane foam and having venting holes extending in the thickness direction of the urethane foam;

a three-dimensional network cushion body incorporated in that region of the seat body which bears a user's body, having a three-dimensional reticulated structure, in which a large number of continuous linear elements of thermoplastic resin are looped windingly so that the respective contact portions thereof are fused together, and communicating with the venting holes; and

a seat cover which has breathability and envelops the seat body and the three-dimensional cushion body, wherein the gross sectional area of the venting holes ranges from 1.8 to 76 cm², and the logarithmic decrement of the seat determined by a free-fall damping test ranges from 0.75 to 1.52.

2. (Original) A breathable seat according to claim 1, wherein the gas permeability of the seat cover is 10 cc/cm²/sec or more.

3. (Original) A breathable seat according to claim 1, wherein the diameter of each continuous linear element ranges from 0.1 to 1.0 mm.

4. (Cancelled)

5. (Original) A breathable seat according to claim 1, wherein each said venting hole is provided with a check valve which restrains air from flowing from the three-dimensional network cushion body toward the lower end of the venting hole.

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6. (Original) A breathable seat according to claim 1, wherein an end portion of the three-dimensional network cushion body is buried in the seat body in a manner such that a bonded surface between the seat body and the cushion body is inclined at an angle of 90° or less to an upper surface of the seat body at junctions between the seat body and the cushion body.

7. (Currently amended) A breathable seat comprising:

a seat body formed of urethane foam and having venting holes extending in the thickness direction of the urethane foam;

a three-dimensional network cushion body incorporated in that region of the seat body which bears a user's body, having a three-dimensional reticulated structure, in which a large number of continuous linear elements of thermoplastic resin are looped wendingly so that the respective contact portions thereof are fused together, and communicating with the venting holes;

a seat cover which has breathability and envelops the seat body and the three-dimensional cushion body; and

a pan frame which supports the seat body, the pan frame having a bottom wall and a sidewall formed around the bottom wall, the bottom wall having a plurality of apertures corresponding to the venting holes in position, wherein the gross sectional area of the venting holes ranges from 1.8 to 76 cm², and the logarithmic decrement of the seat determined by a free-fall damping test ranges from 0.75 to 1.52.

8. (Cancelled)

9. (Original) A breathable seat according to claim 7, wherein each said venting hole is provided with a check valve which restrains air from flowing from the three-dimensional network cushion body toward the corresponding aperture.

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10. (Original) A breathable seat according to claim 7, wherein an end portion of the three-dimensional network cushion body is buried in the seat body in a manner such that a bonded surface between the seat body and the cushion body is inclined at an angle of 90° or less to an upper surface of the seat body at junctions between the seat body and the cushion body.